



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Issued Date: 2025-07-01

Certificate number: EC27918160 rev. 0

Our order: 0101301266
Our reference: Piroska Bausz
Customer number: IEB00047
Customer order date: 20250625

Your order: POR27356
Your reference:
Your fax number:
Your e-mail:

Invoice address
OXY ARC LIMITED
INDUSTRIAL ESTATE
COES ROAD
IRD 002 CO. LOUTH
Ireland

Receiver of certificate

Delivery address
OXY ARC LIMITED
IND EST, COES ROAD
DUNDALK
IRD 002 DUNDALK
Ireland

DELIVERY Lot number: PVZ2212484

PRODUCT

Brand: ESAB
Description: OK Autrod 316LSi 1.0mm 15kg
Item number: 1632109820
Heat number: E250071
Quantity: 56 RL

CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

Wire/strip	
C	0.01%
Si	0.9%
Mn	1.6%
P	0.023%
S	0.016%
Cr	18.3%
Ni	12.0%
Mo	2.5%
Cu	0.1%
FN WRC-92	6

CLASSIFICATIONS

EN ISO 14343-A: G 19 12 3 L Si
SFA/AWS A5.9: ER316LSi
Werkstoffnummer: ~1.4430

MECHANICAL PROPERTIES

Typical data: acc to EN 10204 - 2.2

Tensile

Standard	Shielding Gas	Condition	Rp0.2 [MPa/ksi]	Rm [MPa/ksi]	A5 [%]
EN ISO	M12	As welded	400/58	560/81	37

Impact

Standard	Shielding Gas	Condition	Temp [°C/°F]	KV[J/ft-lb]	L.E [mm/mils]
EN ISO	M12	As welded	+20/68	120/89	Not Available
EN ISO	M12	As welded	-60/-76	95/70	Not Available
EN ISO	M12	As welded	-110/-166	70/52	Not Available
EN ISO	M12	As welded	-196/-321	45/33	0.42/17

A4, A5 = Elongation
ReH = Upper Yield Point
ReL = Lower Yield Point
Rm = Ultimate Tensile Strength
Rp0.2 = Yield Strength 0.2 offset
Rp1.0 = Yield Strength 1.0 offset

COMMENTS

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.

This certificate is produced electronically.

Please refer any queries to:

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Validation

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